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Total Number of Pages in This Submission	16

Application Number	09/733,387
Filing Date	Dec 7, 2000
First Named Inventor	Donoho, Gregory
Group Art Unit	1653
Examiner Name	To Be Assigned
Attorney Docket Number	LEX-0104-USA

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- [ ] Amendment / Reply
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- [ ] Express Abandonment Request
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Firm or Individual name	Lance K. Ishimoto Reg. No. 41,866 Lexicon Genetics Incorporated
Signature	Lance K. Ishimoto by David W. Hibler DAVID W. HIBLER REG. NO. 41,071
Date	September 17, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Donoho et al.

Application No.: 09/733,387

Filed: December 7, 2000 Group Art Unit: 1653

Title: Novel Human Membrane Proteins and Polynucleotides Encoding the Same Examiner: To Be Assigned

Attorney Docket No.: LEX-0104-USA

Assistant Commissioner for Patents
Washington, D.C. 20231
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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

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(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

___ under 37 CFR 1.97(c) together with either a:
___ Certification under 37 CFR 1.97(e), or
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believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of several of the attached references are that they were cited in a communication from a foreign patent office in a counterpart foreign application corresponding to the above-identified application.

Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

09/17/01
Date

Reg. No. 41,071
DAVID W. HIBLER
Lance K. Ishimoto by David W. Hibler

Lance K. Ishimoto Reg. No. 41,866

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Application Number	09/733,387
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,190,496		Rubenstein et al	02/26/80	
	AB	4,215,051		Schroeder et al	07/29/80	
	AC	4,376,110		David et al	03/08/83	
	AD	4,594,595		Struckman	06/10/86	
	AE	4,631,211		Houghten	12/23/86	
	AF	4,683,202		Mullis	07/28/87	
	AG	4,689,405		Frank et al	08/25/87	
	AH	4,713,326		Dattagupta et al	12/15/87	
	AI	4,873,191		Wagner et al	10/10/89	
	AJ	4,946,778		Ladner et al	08/07/90	
	AK	5,075,217		Weber	12/24/91	
	AL	5,252,743		Barrett et al	10/12/93	
	AM	5,364,759		Caskey et al.	11/15/94	
	AN	5,424,186		Fodor et al	06/13/95	
	AO	5,445,934		Fodor et al	08/29/95	
	AP	5,459,127		Felgner et al	10/17/95	
	AQ	5,556,752		Lockhart et al	09/17/96	
	AR	5,625,048		Tsien et al	04/29/97	
	AS	5,700,637		Southern	12/23/97	
	AT	5,744,305		Fodor et al	04/28/98	
	AU	5,830,721		Stemmer et al	11/03/98	
	AV	5,837,458		Minshull et al	11/17/98	
	AW	5,877,397		Lonberg et al	03/02/99	
	AX	5,948,767		Scheule et al.	09/07/99	
	AY	6,075,181		Kucherlapati et al	06/13/00	
	AZ	6,110,490		Thierry	08/29/00	

FOREIGN PATENT DOCUMENTS

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	BA		WO 01 36473 A		PHARMACIA & UPJOHN COMPANY	05-05-2001		

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Group Art Unit	1653
Examiner Name	To Be Assigned
Attorney Docket Number	LEX-0104-USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	BB	Askew et al, 1989, "Molecular Recognition with Convergent Functional Groups, Synthetic and Structural Studies with a Model Receptor for Nucleic Acid Components", J. Am. Chem. Soc. 111:1082-1090.	
	BC	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	
	BD	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	
	BE	Chien et al, 1991, "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest", Proc. Natl. Acad. Sci. USA 88:9578-9582.	
	BF	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
	BG	Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229.	
	BH	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.	
	BI	Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.	
	BJ	Houghten et al, 1991, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery", Nature 354:84-86.	
	BK	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
	BL	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
	BM	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.	
	BN	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
	BO	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
	BP	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
	BQ	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
	BR	Larhammar D. et al., 1993, "The Receptor Revolution-Mutiplicity of G-Protein Coupled Receptors", Drug Design and Discovery 9:179-188, XP000996559	
	BS	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.	
	BT	Lam et al, 1991, "A new type of synthetic peptide library for identifying ligand-binding activity", Nature 354:82-86.	
	BU	Lavitrano et al, 1989, "Sperm Cells ad Vectors for Introducing Froeign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.	
	BV	Lee N.H. et al, 1993, "Molecular Biology of G-Coupled Receptors", Drug News and Perspectives 6(7):488-497, XP000677175	
	BW	Lewis et al, 1989, "Automated site-directed drug design: the formation of molecular templates in primary structure generation", Proc. R. Soc. Lond. B 236:141-162.	
	BX	Lo, 1983, "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. & Cell. Biology 3(10):1803-1814.	
	BY	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	

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Sheet 3 of 4

Complete if Known	
Application Number	09/733,387
Filing Date	Nov 7, 2000
First Named Inventor	Donoho, Gregory
Group Art Unit	1653
Examiner Name	To Be Assigned
Attorney Docket Number	LEX-0104-USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	BZ	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.	
	CA	McKinlay et al, 1989, "Rational Design of Antiviral Agents", Annu. Rev. Pharmacol. Toxicol. 29:111-122.	
	CB	Miyajima et al, 1986, "Expression of murine and human granulocyte-macrophage colony-stimulating factors in *S. cerevisiae:* mutagenesis of the potential glycosylation sites", The EMBO Journal 5(6):1193-1197.	
	CC	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
	CD	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
	CE	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.	
	CF	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
	CG	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
	CH	Platt, K.A. et al, 1994, "Independent Regulation of Adipose Tissue-specificity and Obesity Response of the Adipsin Promoter in Transgenic Mice", The Journal of Biological Chemistry 269(46):28558-28562.	
	CI	Ripka, 1988, "Computers picture the perfect drug", New Scientist 16:54-57.	
	CJ	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.	
	CK	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
	CL	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
	CM	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
	CN	Songyang et al, 1993, "SH2 Domains Recognize Specific Phosphopeptide Sequences", Cell 72:767-778.	
	CO	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
	CP	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	
	CQ	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	CR	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 56:313-321.	
	CS	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.	
	CT	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	CU	Voller et al, 1978, "Enzyme immunoassays with special reference to ELISA techniques", J. Clinical Pathology 31:507-520.	
	CV	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
	CW	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	
	CX	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	
	CY	DATABASE EMBL 'Online! Ebi,hinxton; AC018552, 16 December 1999, JOINT GENOME INSTITUTE: "homo sapiens chromosome 16 clone rp11-405f3" XP002170591	
	CZ	DATABASE EMBL 'Online! ebi; AQ171270, 17 September 1998, MAHAIRAS ET AL: 'hs_3073_bl_g08_mf CIT Approved Human Genomic Sperm Libryry D Homo sapiens genomic clone" XP002170592	

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	DA	DATABASE EMBL 'Online! ebi; BE241639, 20 July 2000, WEI Y. ET AL: "TCAAP1E0686 Pediatric acute meylogenous leukemia cell (FAB M1)" XP002170593	
	DB	DATABASE EMBL 'Online! EBI; BF183209, 2 November 2000, STRASBERG R.: "601809910F1 NIH_MGC_18 HOMO SAPIENCE CLONE" XP002170594	
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